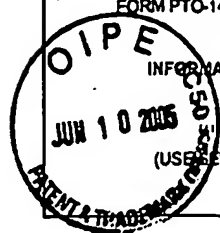


FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. 202.2D6	APPLICATION NO. 10/741,929
	APPLICANT Clarence N. Ahlem, et al	
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)	
BB	2,878,267	05/17/59	Szpilfogel et al	—	—		
I	5,567,695	10/22/96	Labrie	—	—		
I	5,763,433	06/09/98	Morfin	—	—		
I	5,776,923	07/07/98	Labrie	—	—		
I	5,837,269	11/17/98	Daynes et al.	—	—		
BB	6,077,873	06/20/00	Loozen	—	—	2/19/98	

U.S. PATENT APPLICATION PUBLICATIONS					
EXAMINER INITIAL	DOCUMENT PUBLICATION NUMBER	NAME AND PORTIONS OF DOCUMENT	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
BB	US 2005/0075321 A1	Ahlem et al., first page and pages 102-107 (claims)	—	—	
I	US 2004/0043973 A1	Ahlem et al., first page and pages 99-101 (claims)	—	—	
BB	US 2003/0119800 A1	Manolagas et al., entire document	—	—	

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
BB	EP 0 429 187 B1	05/01/94	Europe	—	—		
I	EP 0 289 327 A	11/02/88	Europe	—	—		
I	EP 01 133 995 A2	08/02/83	Europe	—	—		
BB	DE 38 12 595 C2	10/27/88	Germany	—	—	x	

EXAMINER	<i>BB</i>	DATE CONSIDERED	<i>9/13/05 / 1/10/06</i>
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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 202.2D6	APPLICATION NO. 10/741,929
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Clarence N. Ahlem, et al	
(USE SEVERAL SHEETS IF NECESSARY)		FILING DATE December 19, 2003	GROUP 1617

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
BB	Araghi-Niknam et al., Modulation of Immune dysfunction during murine leukemia retrovirus infection of old mice by dehydroepiandrosterone sulphate (DHEAS), <i>Immunology</i> 90:344-349 (1997)
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	Koustani S, et al. Reversal of bone loss in mice by nongenotropic signaling of sex steroids, <i>Science</i> 298:843-846 2002
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BB	Z. Zhang et al., Prevention of Immune dysfunction and vitamin E loss by dehydroepiandrosterone and melatonin supplementation during murine retrovirus infection, <i>Immunology</i> 96:291-297 1999

EXAMINER <i>Pando</i>	DATE CONSIDERED <i>9/13/05</i>
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

U.S. PATENT APPLICATION PUBLICATIONS

EXAMINER INITIAL	DOCUMENT PUBLICATION NUMBER	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
BB	H6-279488	10-04-94	Japan			X	

EXAMINER
INITIAL

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

BB	✓	Bruder, S. P., et al., Mesenchymal stem cells in bone development, bone repair, and skeletal regeneration therapy, <i>J Cell Biochem.</i> 56(3), pp. 283-94, 1994
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	✓	Fink, B. E. et al., Novel structural templates for estrogen-receptor ligands and Prospects for Combinatorial Synthesis of Estrogens. <i>Chem. Biol.</i> , 8, pp. 205-219, 1999
		Gao, H. et al., Comparative QSAR analysis of estrogen receptor ligands, <i>Chem. Rev.</i> , 99, pp. 723-744, 1999
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BB		Jilka RL, et al., Increased osteoclast development after estrogen loss: mediation by interleukin-6, <i>Science</i> 257, pp. 88-91, 1992

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9/13/05

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(USE SEVERAL SHEETS IF NECESSARY)		FILING DATE December 19, 2003	GROUP 1617

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
BB	Jilka, R.L. et al., Increased bone formation by prevention of osteoblast apoptosis with parathyroid hormone, <i>Journal of Clinical Investigation</i> , 104(4), pp 439-446 August 1999.
	Khosla, S. et al., Relationship of serum sex steroid levels and bone turnover markers with bone mineral density in men and women: A key role for bioavailable estrogen. <i>J. Clin. Endocrinol. Metab.</i> 83, pp. 2266-2274, 1998
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	Pomper, M. G., et al., 11 β -Methoxy-, 11 β -ethyl- and 17 α -ethynyl-substituted 16 α -fluoroestradiols: Receptor-based imaging agents with enhanced uptake efficiency and selectivity. <i>J. Med. Chem.</i> , 33, pp. 3143-3155, 1990
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BB	Solmssen, U. V., Synthetic estrogens and the relation between their structure and their activity. <i>Chem. Res.</i> , 37, pp. 481-598, 1945
	Tedesco, R., Katzenellenbogen, J. A. and Napolitano, E. 7 α ,11 β -Disubstituted estrogens: Probes for the shape of the ligand binding pocket in the estrogen receptor. <i>Bioorg. Med. Chem. Lett.</i> , 7, 2919-2924 1997 <i>copy needed</i>
	Tobias, J.H., et al., 5 α -dihydrotestosterone partially restores cancellous bone volume in osteopenic ovariectomized rats, <i>Am. J. Physiol. Endocrinol. Metab.</i> 267, pp. E853-E859, 1994. <i>copy needed</i>
BB	Watts, N. B., Clinical utility of biochemical markers of bone remodeling, <i>Clin. Chem.</i> , 45, pp. 1359-1368, 1999
	Weinstein R.S. et al., Inhibition of osteoblastogenesis and promotion of apoptosis of osteoblasts and osteocytes by glucocorticoids. <i>J. Clin. Invest.</i> 102, pp. 274-282, 1998
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
BB	1	2,843,608	07-15-58	Colton	/	5	
	2	2,843,609	07-15-58	Colton	/	1	
	3	4,069,321	01-17-78	Jones et al.	/	1	
	4	5,011,878	04-30-91	Wang et al.	/	1	
	5	5,116,828	05-26-92	Miura et al.	/	5	
	6	5,162,312	11-10-92	Kasch et al.	/	1	
	7	5,183,815	02-02-93	Saari et al.	/	1	
	8	5,565,444	10-15-96	Mitushima et al.	/	5	
	9	5,795,883	08-18-83	Hesch et al.	/	1	
	10	5,817,816	10-06-98	Harimaya et al.	/	1	
	11	5,837,700	11-17-98	Labrie	/	1	
	12	5,843,934	12-01-98	Simpkins	/	1	
	13	5,846,960	12-08-98	Labrie	/	1	
	14	5,880,117	03-03-99	Arnold	/	1	
	15	6,011,026	01-04-00	Bouali et al.	/	1	
	16	6,011,027	01-04-00	Arnold	/	1	
	17	6,313,180 B1	11-06-01	Loozen	/	1	
BB	18	6,667,299 B1	12-23-03	Ahlem et al.	/	1	

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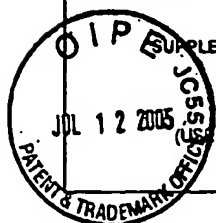
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U.S. PATENT APPLICATION PUBLICATIONS

EXAMINER INITIAL		DOCUMENT PUBLICATION NUMBER	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
BB	19	US 2005/0101581 A1	Ahlem et al.	—	—	
	20	US 2005/0026223 A1	Manolagas et al.	—	—	
	21	US 2004/0248078 A1	Manolagas et al.	—	—	
	22	US 2004/0220114 A1	Ahlem et al.	—	—	
	23	US 2004/0224884 A1	Manolagas et al.	—	—	
	24	US 2004/0138187 A1	Ahlem et al.	—	—	
	25	US 2004/0157812 A1	Labrie	—	—	
	26	US 2004/0116359 A1	Ahlem et al.	—	—	
	27	US 2004/0097406 A1	Ahlem et al.	—	—	
	28	US 2003/0225046 A1	Liao et al.	—	—	
	29	US 2003/0083231 A1	Ahlem et al.	—	—	
	30	US 2003/0060425 A1	Ahlem et al.	—	—	
BB	31	US 2002/0187970 A1	Labrie	—	—	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
BB	32	WO 00/20007	04-13-00	PCT	—	—		
	33	WO 99/61044	12-02-99	PCT	—	—		
	34	WO 99/63973	12-16-99	PCT	—	—		
	35	WO 98/56386	12-17-98	PCT	—	—		
BB	36	WO 93/10141	05-27-93	PCT	—	—		

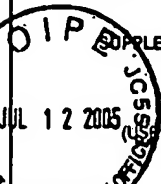
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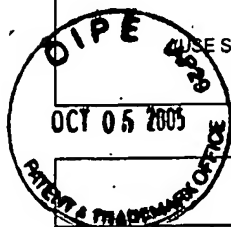
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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 202.206	APPLICATION NO. 10/741,929
 SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (SEVERAL SHEETS IF NECESSARY)		APPLICANT Clarence N. Ahlem, et al	
		FILING DATE December 19, 2003	GROUP 1617

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE)	
BB	37	Karsenty, The genetic transformation of bone biology, <i>Genes & Development</i> , 13:3037-3051 1999
BB	38	Siemenda et al., Sex steroids, bone mass and bone loss, <i>J. Clinical Invest.</i> , 97:14-21 1996

EXAMINER	<i>Badu</i>	DATE CONSIDERED	<i>9/13/05</i>
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
BB	4,096,254	06-20-78	Benson et al			

U.S. PATENT APPLICATION PUBLICATIONS

EXAMINER INITIAL	DOCUMENT PUBLICATION NUMBER	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
BB	Cunningham, G.R. et al, Steroid structural requirements for high affinity binding to human sex steroid binding protein (SBP), <i>Steroids</i> 38(3):243-262 1981
	Ederveen, A.G., et al, Tibolone, a steroid with a tissue-specific hormonal profile, completely prevents ovariectomy-induced bone loss in sexually mature rats, <i>J Bone Miner Res.</i> , 14 (11):1963-70 1999
	Tedesco, R., Katzenellenbogen, J. A. and Napolitano, E. 7 α ,11 β -Disubstituted estrogens: Probes for the shape of the ligand binding pocket in the estrogen receptor. <i>Bioorg. Med. Chem. Lett.</i> , 7:2919-2924 1997
BB	Tobias, J.H., et al., 5 α -dihydrotestosterone partially restores cancellous bone volume in osteopenic ovariectomized rats, <i>Am. J. Physiol. Endocrinol. Metab.</i> 267:E853-E859 1994

EXAMINER	Badio	DATE CONSIDERED	1/10/06
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